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DIRECTIONS

—FOR—

CUTTING GARMENTS

—WITH THE—

DAVIS

IMPROVED SQUARE

—BY—

MYRA A. DAVIS,

PORTLAND, MAINE.

PRICE, 25 CENTS.

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PORTLAND, MAINE.

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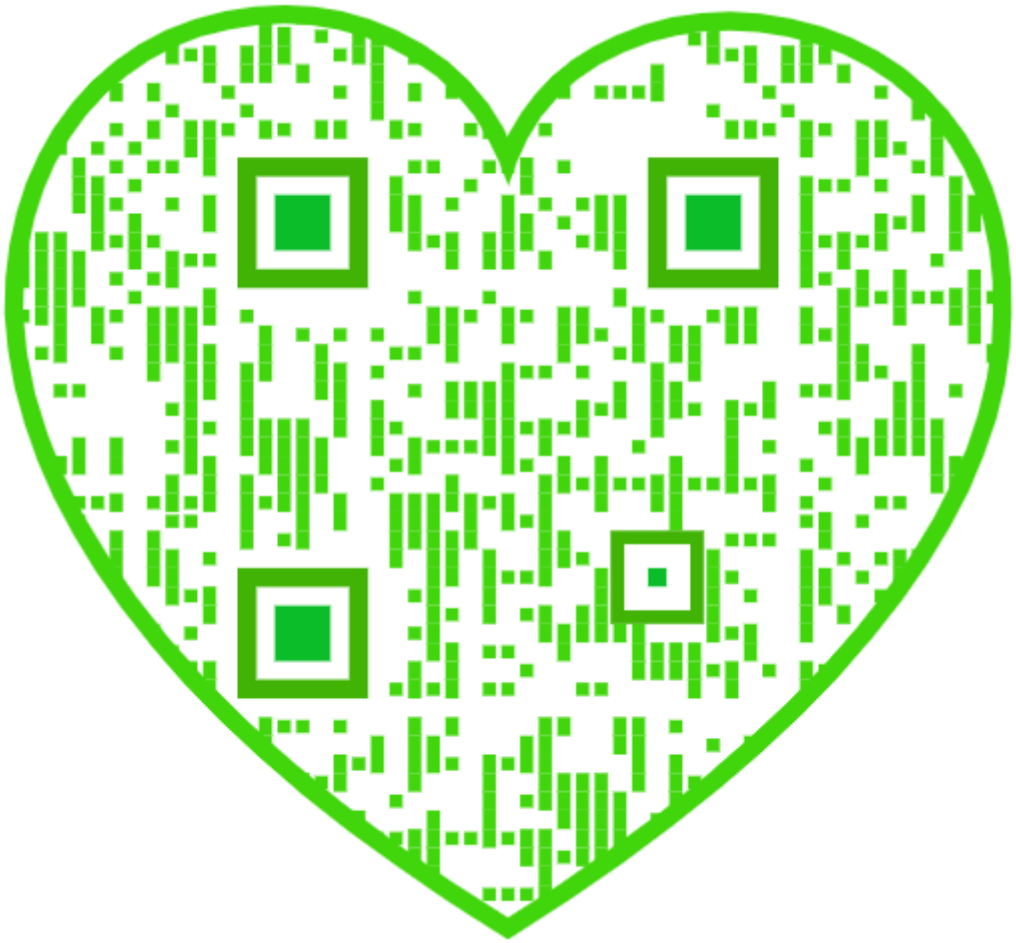

AGENTS WANTED

— TO SELL THE —

Davis Improved Square.

A good chance for live persons to make high wages and have steady employment.

STATE RIGHTS

given to good reliable persons who will thoroughly canvass the same and see that every purchaser is properly taught and satisfied.

For Confidential Circulars apply to the undersigned.

MRS. M. A. DAVIS,

NO. 23 BOYD STREET,

PORTLAND, - - MAINE.

NOTICE.

Anyone learning the Davis Improved Square of an Agent and does not thoroughly understand it, will confer a favor by writing me, giving their address and number of Square. Address,

MRS. M. A. DAVIS,

23 Boyd Street,

PORTLAND, ME.

DIRECTIONS

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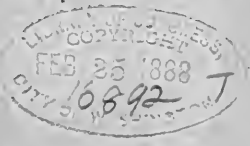

PRICE, 25 CENTS.

PORTLAND:
TUCKER PRINTING HOUSE.
1888.

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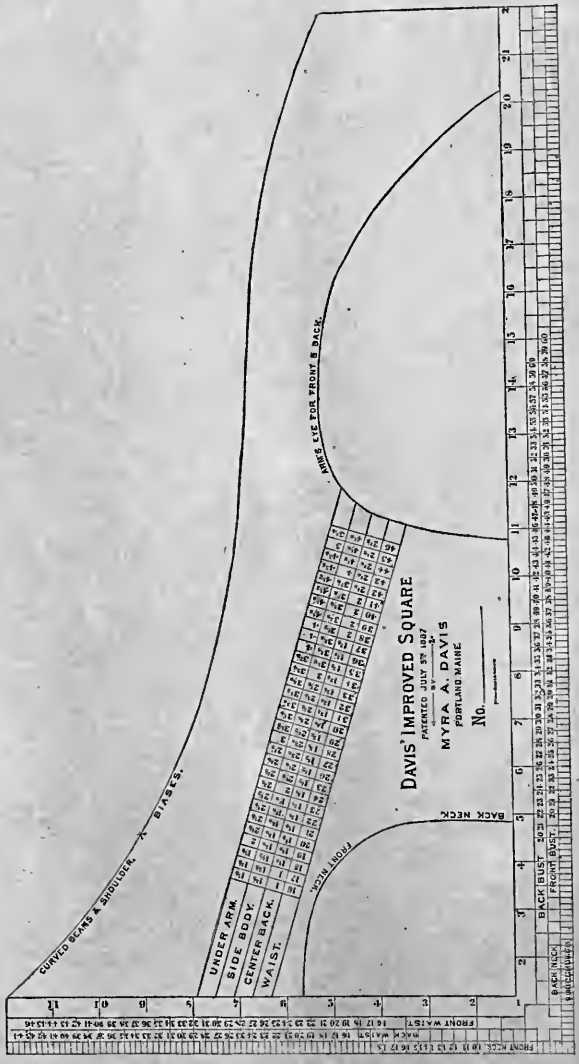
PRICES.

One Square with Instruction Book, - - - $5.00

One Square with Instruction Book and Verbal Instructions, 7.00



HOW TO TAKE MEASURES.

In drafting garments of any kind it is of the most importance to have the measures taken correctly. No person's measure should be taken over old corsets and fitted over new or other corsets, and then expect to get a perfect fit—It cannot be done.

BASQUE.

1. A tape must be pinned around the person at the waist and then pushed down as low as the dress can be worn.

2 The neck measure must be taken smoothly around the neck, just above the collar.

3. Measure around the fullest part of the bust close up under the arms and just across the lower edge of shoulder blade. It should lay smoothly around the bust.

4. The waist measure must be taken a little closer than the other measures.

5. The length of front measure must be taken from the bone in back of neck to the center of waist or tape in front.

6 The front for neck measure must be taken from the center of tape in front, to as high as you would like the dress in center of front neck. (Be sure and take this measure long, or your dress will be too low in the neck.)

7. For width of front, in the center of front measure about two inches below the neck, then measure out to arm-eye in front.

8. The length of back must be taken from the bone in back of neck to the tape in center of back.

9. For width of back, measure from center of back to arms-eye in back.

10. Under arm measure must be taken from arm-pit to waist line or tape.

11. For Length of Shoulder, measure from side of neck to end of shoulder.

12. For Slope of Shoulder, place the tape at waist line in center of front and bring it up over the shoulder to center of back waist line, as low down on the shoulder as you would like the arm-eye or shoulder seams to come.

SLEEVE.

1 Measure straight around the fleshy part of the arm about one inch below the arm-pit.

2 With the arm bent, measure around the largest part of the elbow.

3. Measure around the hand for wrist.

4. Measure from top of shoulder to elbow with the arm bent.

5. With the arm bent, measure from top of shoulder over elbow joint to wrist bone.

THE FOLLOWING MEASURES ARE TO BE USED WHILE LEARNING TO DRAFT:

BASQUE.

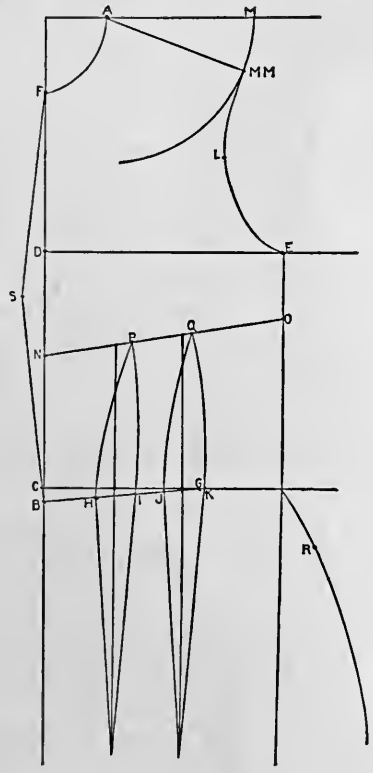
Neck,	12	Length of Back,	16
Waist,	24	Width of Back,	$6\frac{1}{2}$
Bust,	36	Under Arm,	8
Front for Neck,	13	Shoulder,	$5\frac{1}{2}$
Length of Front,	$18\frac{1}{2}$	Slope of Shoulder,	30
Width of Front,	7		

SLEEVE.

Arm,	12	Elbow,	10
Wrist,	8	Shoulder to Elbow,	14
Shoulder to Wrist,	22		

FIGURE 1.

DIAGRAM OF FRONT.



DIRECTIONS FOR DRAFTING FRONT.

Place the Square on the paper, long straight side toward you, two inches from front edge of paper and one-half inch down from top of paper, draw a line down the length of Square and across the top. Without moving Square mark on top line the size of neck, using front neck scale, mark call dot A.

Move the Square over and place the neck size in back neck scale on dot A and mark on front line the length of front, mark call dot B.

One-half inch above dot B on front line, mark call dot C.

Draw a line from dot C square across paper; must be square with front line. (This is waist line.)

Measure up from dot C on front line the length of under arm, mark call dot D.

From dot D draw a line square across paper. (This is bust line.)

On this line from dot D make bust, using front bust scale, mark call dot E.

From dot E draw a line straight down to bottom of paper; must be square with bust line. (This is under arm line.)

From dot C on front line, measure up the length of front for neck, mark call dot F. (Be sure and take this measure long or your dress will be too low in the neck.)

From dot C on waist line, mark for size of waist, using front waist scale, mark call dot G.

Draw a line from dot B to dot G.

On this line one and three-fourths inches from dot B, mark call dot H.

Measure the distance between dot G and under arm line. From dot H measure out one-half of that distance, mark call dot I.

One inch from dot I, mark call dot J.

From dot J measure out the other half of that distance, mark call dot K.

From dot A to dot F, shape neck, using front neck.

Two inches below dot F measure out from front line for width of front, mark call dot L.

From dot A measure out on top line, length of shoulder, mark call dot M.

Place pin hole on dot A, hold firmly with a pin, draw a circle by moving Square toward you, from dot M nearly to front line.

Measure up from dot B according to front calculation (see note 2, page 11,) for slope of shoulder, must touch this circle, mark call dot M M.

With straight side of Square draw a line from dot A to dot M M, with arm-eye draw a line from dot M M to dot E, must touch dot L.

Three and one-half inches below dot D on front line, mark call dot N.

Two inches below dot E on under arm line, mark call dot O.

Draw a line from dot N to dot O. (This is top of darts.)

Halfway between dot H and I draw a line from top of darts to bottom of paper. (Must be square with bust line.)

From junction of this line at top of darts measure out one-half inch, mark call dot P.

Half way between dot J and K draw a line from top of darts to bottom of paper (Must be square with bust line.)

From junction of this line at top of darts measure out one-half inch, mark call dot Q.

With curved side of Square draw a line from dot P to dot H, and from dot P to dot I.

With curved side of Square draw a line from dot Q to dot J, and from dot Q to dot K.

From dots H and I draw lines to a point nine inches down.

From dots J and K draw lines to a point nine inches down.

On under arm line two inches down from waist line mark one and one-half inches out, call dot R. (This is for spring of hip.)

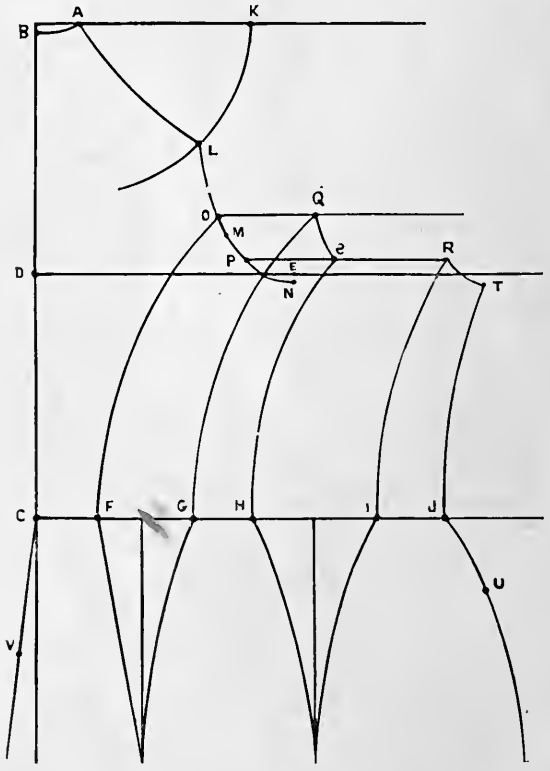
With curved side of Square draw a line from junction of under arm and waist line to bottom of paper, must touch dot R.

Halfway between dots D and N one-half inch toward you, mark call dot S.

Draw a line from dot F to dot S and from dot S to dot C. (This is for front spring.)

FIGURE 2.

DIAGRAM OF BACK.



Place the Square on the paper, long straight-edge toward you one and a half inches from front of paper and one-half inch from top of paper, draw a line down the length of Square and across the top.

Place the Square long straight-edge on top line and have short side of Square toward you, mark neck, using back neck scale, mark call dot A.

From junction of top and back line one-quarter inch down on back line, mark call dot B

From dot B on back line measure the length of back, mark call dot C.

From dot C measure up back line the length of under arm, mark call dot D.

From dot C draw a line square across paper. (This is waist line)

From dot D draw a line square across paper. (This is bust line)

On this line from dot D make bust, using back bust scale, mark call dot E.

From dot C on waist line make center back according to back calculation. (See Note 1, Page 11.) Mark call dot F.

Three and one-half inches from dot F, mark call dot G, from dot G make side body according to side body calculation, mark call dot H, four inches from dot H, mark call dot I.

From dot I make under arm, according to under arm calculation, mark call dot J.

From dot A measure out on top line length of shoulder, which must be one-half inch longer than front shoulder, mark call dot K.

Place pin hole on dot A, hold firmly with a pin, draw a circle by moving Square toward you from dot K nearly to back line.

Measure up from dot C, according to back calculation, (see note 2, page 11,) for slope of shoulder, must touch this circle, mark call dot L.

One and one-half inch up from dot D on back line, measure out for width of back, mark call dot M.

One-eighth inch below dot E, mark call dot N.

With arm eye draw a line from dot L to dot N, must touch dot M.

Divide this line into three parts, the largest part below dot L, mark call dot O.

Make a mark one-half inch nearer dot O than dot N, mark call dot P.

From dot O draw a line square across paper. On this line three inches from dot O, mark call dot Q.

From dot P draw a line square across the paper, on this line six inches from dot P, mark call dot R.

On this line three inches from dot P, mark call dot S.

From dot N measure out six inches, mark call dot T. (Dot T must be one-eighth inch below bust line.)

With back neck shape draw a line from dot A to dot B.

With curved edge draw a line from dot A to dot L.

With arm eye draw a line from dot S to dot Q.

With arm eye draw a line from dot R to dot T.

With curved side of Square draw a line from dot O to dot F.

With curved side of Square draw a line from dot Q to dot G.

With curved side of Square draw a line from dot S to dot H.

With curved side of Square draw a line from dot R to dot I.

With curved side of Square draw a line from dot T to dot J.

Half-way between dots F and G draw a line eight inches down, must be square with waist line.

With straight edge draw a line from dot F to a point eight inches. With curved side draw a line from dot G to a point seven inches.

Half-way between dots H and I draw a line eight inches down.

With curved side of Square draw a line from dots H and I to a point eight inches.

From dot J two inches down and three-fourths inch out, mark call dot U.

With curved side of Square draw a line from dot J to bottom of paper, must touch dot U.

From dot C on back line four inches down and one-half inch toward you, mark call dot V.

Draw a line from dot C to bottom of paper; must touch dot V.

In tracing lining fold the selesia the reverse from what it is, place the front draft on the fold. The selvage edge will be at the top and bottom of draft. Trace waist line first, then the rest of the lines. Be sure and trace very even and plainly so you can see the tracing distinctly on both pieces of selesia; allow three-fourths of an inch for all seams and two inches for lap in front. Do not allow any seams around the neck and arm's eye.

In tracing back you should follow same rule as for front, and you should also trace the line that comes down front waist line half-way between center back side body and under arm; cut on this line to waist line then cut on waist line toward tracing; allow three-fourths of an inch seam as in directions for front. When cutting goods you can place this line so it will come on a length-wise thread of goods and you will be sure and have your pieces on the right grain of goods.

NOTE 1. By referring to the table of calculations upon the Square, the width of center back, side body and under arm can be found opposite the waist measure.

NOTE 2. By referring to the table of calculations upon the back of Square, the slope of front and back shoulder can be found opposite the slope or point of shoulder measure.

HOW TO CUT SKIRTS.

The front breadth of the skirt is to be cut two inches longer than the skirt measure. Fold the cambric through the center. From center, measure out 12 inches for bottom of skirt. From center of top, measure out 6½ inches; now fold the cambric over from the 6½ inches at top, to the 12 inches at bottom and crease it, cut in the crease. From the bottom of the skirt, beginning at the gored edge, pare ⅜ of an inch off gradually half-way toward the center.

Side gores, cut two breadths three inches longer than skirt measure Lay selvage edge of both pieces together. Make the width at the bottom 15 inches. The width at the top 8 inches. Fold the cambric over and proceed the same as with the front breadth.

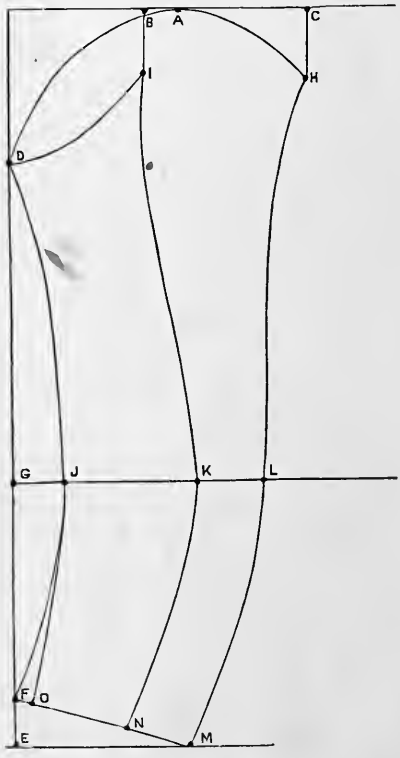
The back breadth should be cut four inches longer than skirt measure, and should be 33 inches wide when done.

In making skirts, all unevenness should come at the top. This skirt is for a medium sized woman In cutting a skirt for a large sized woman the bottom of front breadth should not be changed, but the top is made from 1 to 3 inches wider, according to size of person. The side gores should be equally enlarged from 1 to 4 inches. The back breadths should be enlarged in proportion. This skirt is cut for dress extenders.

In turning the skirt down, the center of the front breadth and front edge of side gore should be turned the the length of the skirt measure. The back edge of side gore is turned ¾ of an inch longer than the front, and the center of back breadth should be turned 2½ inches longer than front measure.

The smallest extender should be put across the back breadth, 12 inches below binding. The second size is put 6 inches below the first. The third one is seldom used; if used it is put 6 inches below the second, and the skirt is made 1 inch longer in the back.

In putting the skirt on the binding you should pin center of binding to center of front breadth half and quarter one-half of the binding, and pin the last quarter to the back edge of side gore; the half of back breadth is gathered to this, and the half of front breadth and side gore is plated equally into the space between the pins; do the other half as you did the first and you will have no trouble with your skirt.



DIRECTIONS FOR DRAFTING A SLEEVE.

With long straight-edge of Square toward you, draw a line down the length of paper and across the top of Square.

From junction of front and top line, mark out one inch less than one-half of arm measure, mark call dot A.

One inch inside of dot A on top line, mark call dot B.

Three and one-half inches outside of dot A on top line, mark call dot C.

On front line, four and one-half inches from top line, mark call dot D.

From junction of top and front line mark on front line the length of shoulder to wrist, mark call dot E.

From dot E on front line one and three-fourth inches up, mark call dot F.

From junctions of top and front line, mark on front line the length of shoulder to elbow, mark call dot G.

From dot C draw a line down, must be square with top line, on this line two inches from dot C, mark call dot H.

Draw a line from dot B down, must be square with top line, on this line two inches down from dot B, mark call dot I.

Draw a line from dot G square across paper; on this line one and one-half inches in from dot G, mark call dot J.

From dot J make elbow one inch less than one-half of elbow measure, mark call dot K.

From dot J make elbow one inch more than one-half of elbow measure, mark call dot L.

From dot E draw a line out, must be square with front line; on this line from dot E make wrist one inch more than one-half of wrist measure, mark call dot M.

Draw a line from dot F to dot M (this is bottom of sleeve) on this line two inches inside of dot M, mark call dot N.

On this line one-half inch from dot F, mark call dot O.

With Square turned wrong side up and small end toward you; with arms eye draw a line from dot A to dot D.

With Square turned so that A in arms eye will touch dot A, draw a line from dot A to dot H.

With arms eye draw a line from dot D to dot I.

With curved edge beginning one inch below S in biases draw a line from dot H to dot L; with straight edge draw a line from dot I to dot K.

With Square turned wrong side up, with A on curved side of Square at dot D draw a line from dot D to dot J; move the Square

down so A on curved side of Square will touch dot J; draw a line from dot J to dot F.

From dot O draw a line nearly up to dot J and just touch the curved line in sleeve.

With Square just the same way, A on curved side of Square, draw lines from dot L to dot M, and from dot K to dot N.

TO DRAFT A GATHERED SLEEVE.

You should make dot B one and one-half inches inside of dot A.

Make dot C four and one-half inches outside of dot A.

Make dot K two inches less than one-half of elbow measure.

Make dot L two inches more than one-half of elbow measure.

Make dot M one and one-half inches more than one-half of wrist measure.

Make dot N three inches inside of dot M on wrist line.

All the other letters you should use just the same as in directions for plain sleeve.

The Davis Improved Square is made of the best Tag Board; it is bound with Steel and varnished; it will last a life-time. It is in one piece and drafts a garment complete. A book of instructions is given with each Square, also a Measure Book which is very useful.

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